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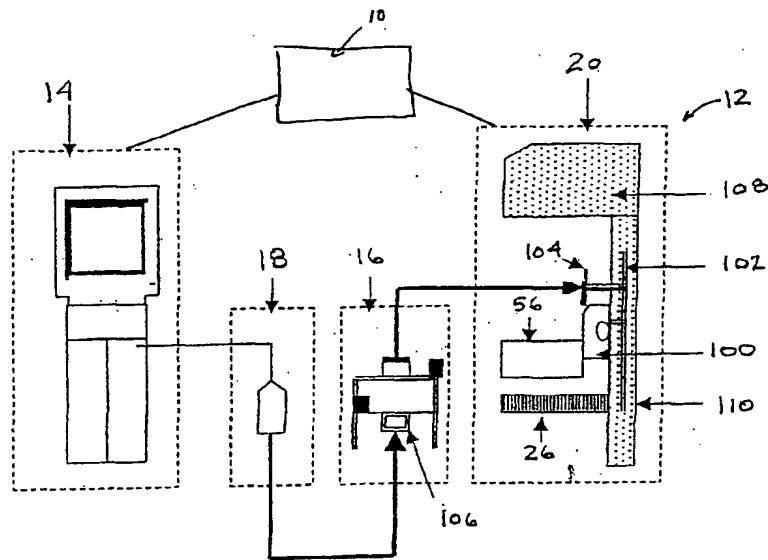


FIG. 1

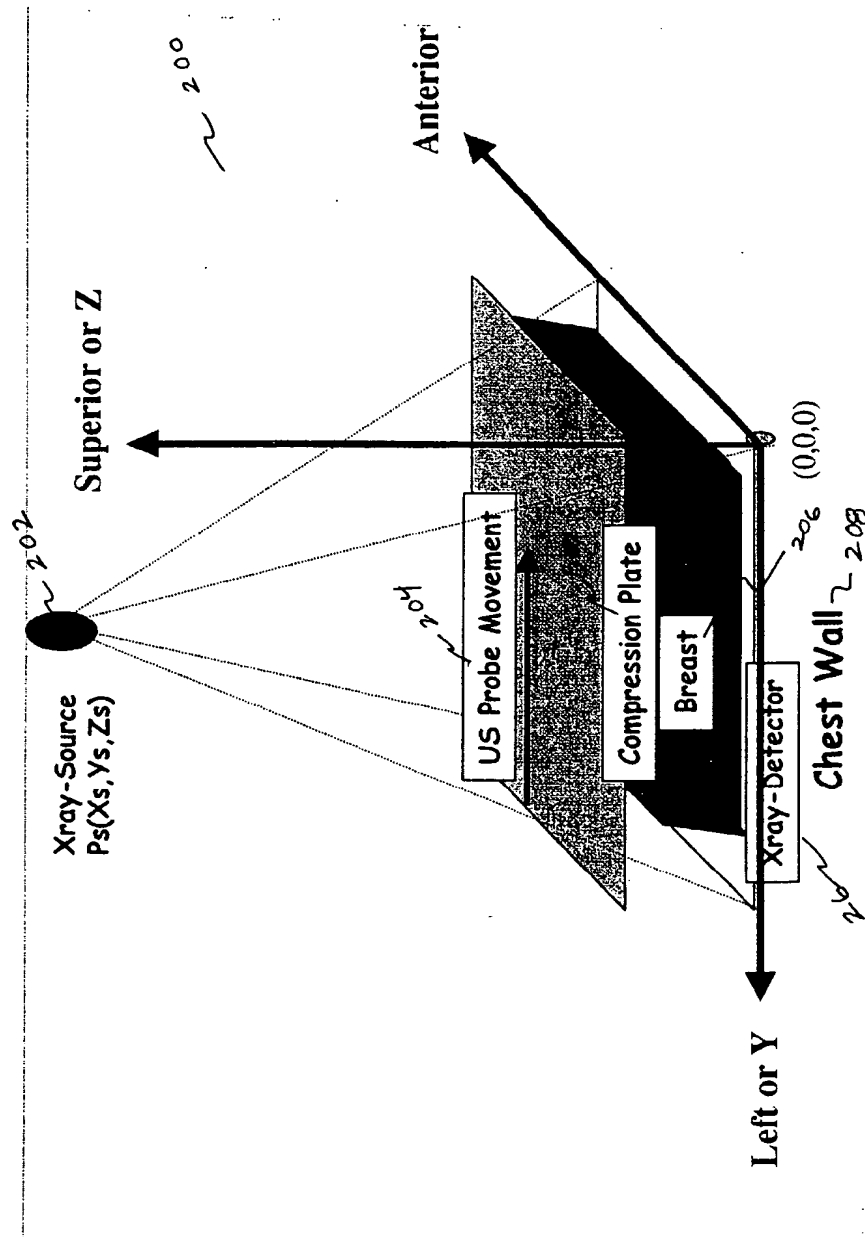
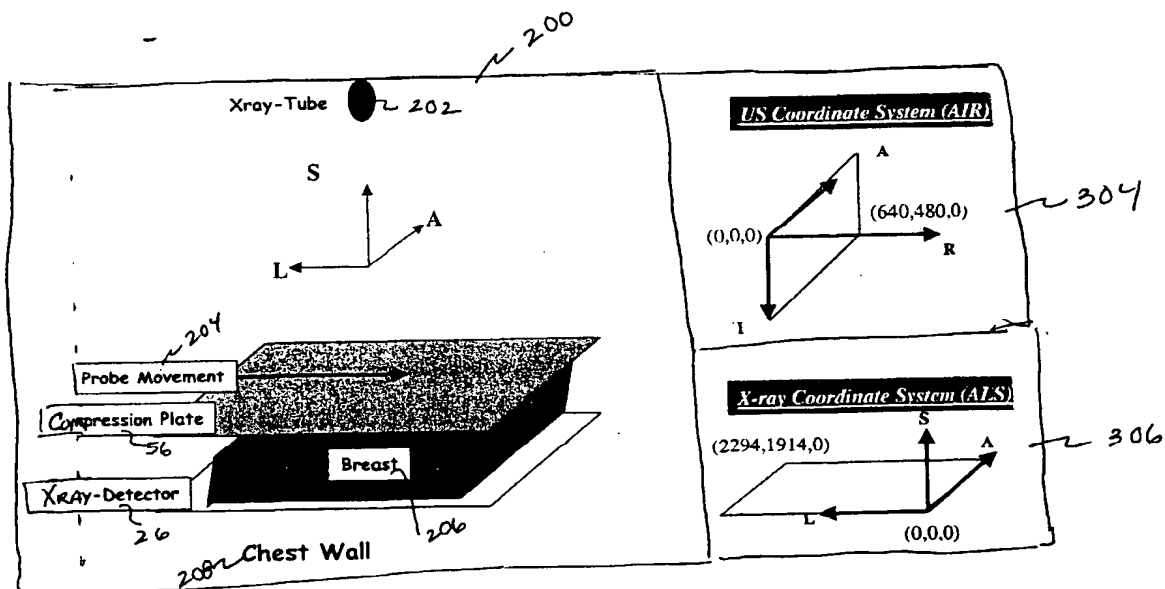


FIG. 2

FIG. 3



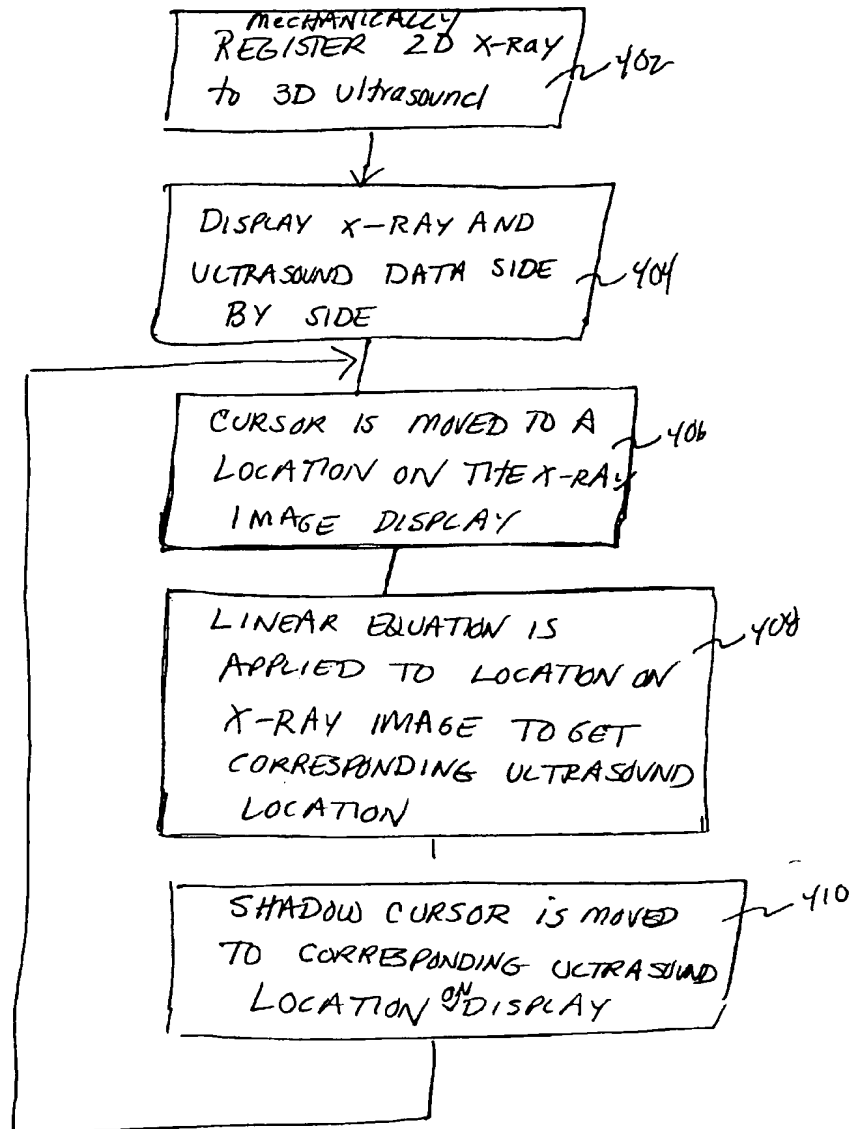


FIG. 4

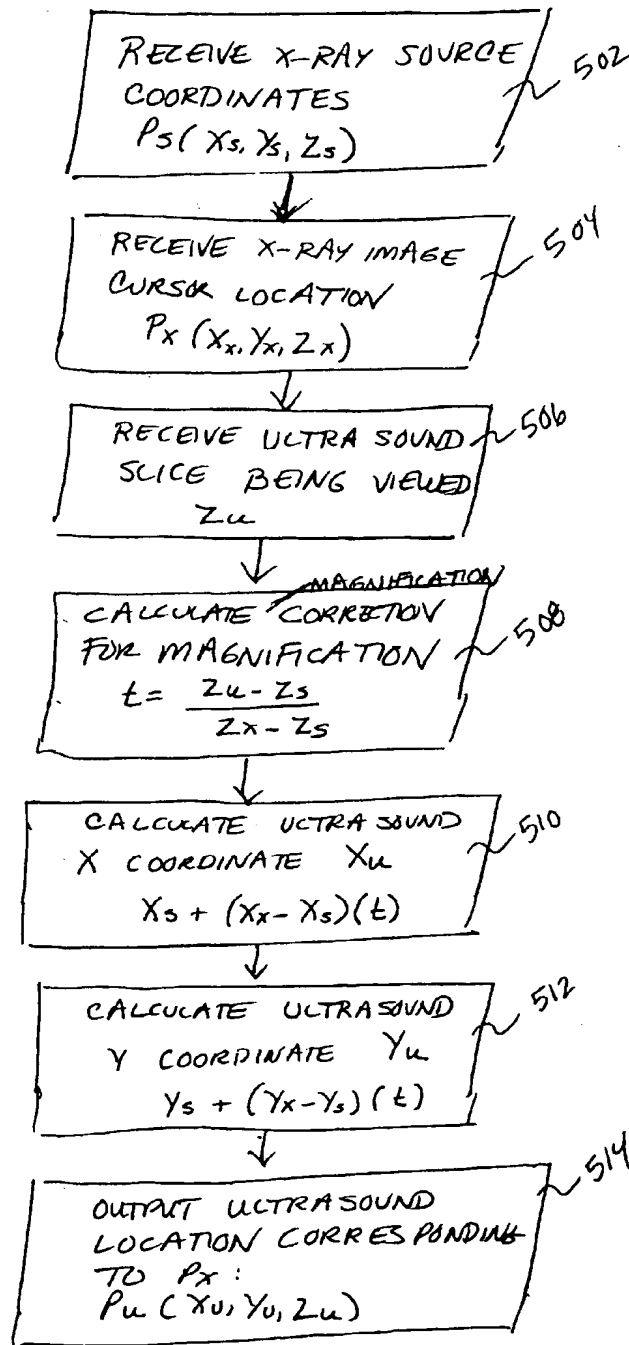


FIG. 5

$$r(t) = P_s + t(P_x - P_s) \text{ where } 0 \leq t \leq 1$$

X-ray-Source
 $P_s(X_s, Y_s, Z_s)$

Superior or Z

$$r(t) = (X_s + (X_x - X_s)t)\vec{i} + (Y_s + (Y_x - Y_s)t)\vec{j} + (Z_s + (Z_x - Z_s)t)\vec{k}$$

Substituting Z_u from P_u into equation above

$$Z_s + (Z_x - Z_s)t = Z_u$$

$$t = \frac{Z_u - Z_s}{Z_x - Z_s}$$

Therefore

$$X_u' = X_s + (X_x - X_s) \frac{Z_u - Z_s}{Z_x - Z_s}$$

$$Y_u' = Y_s + (Y_x - Y_s) \frac{Z_u - Z_s}{Z_x - Z_s}$$

$P_u(X_u, Y_u, Z_u)$

$P_x(X_x, Y_x, Z_x)$

Breast

Left or Y

Chest Wall

Anterior or X

FIG. 6

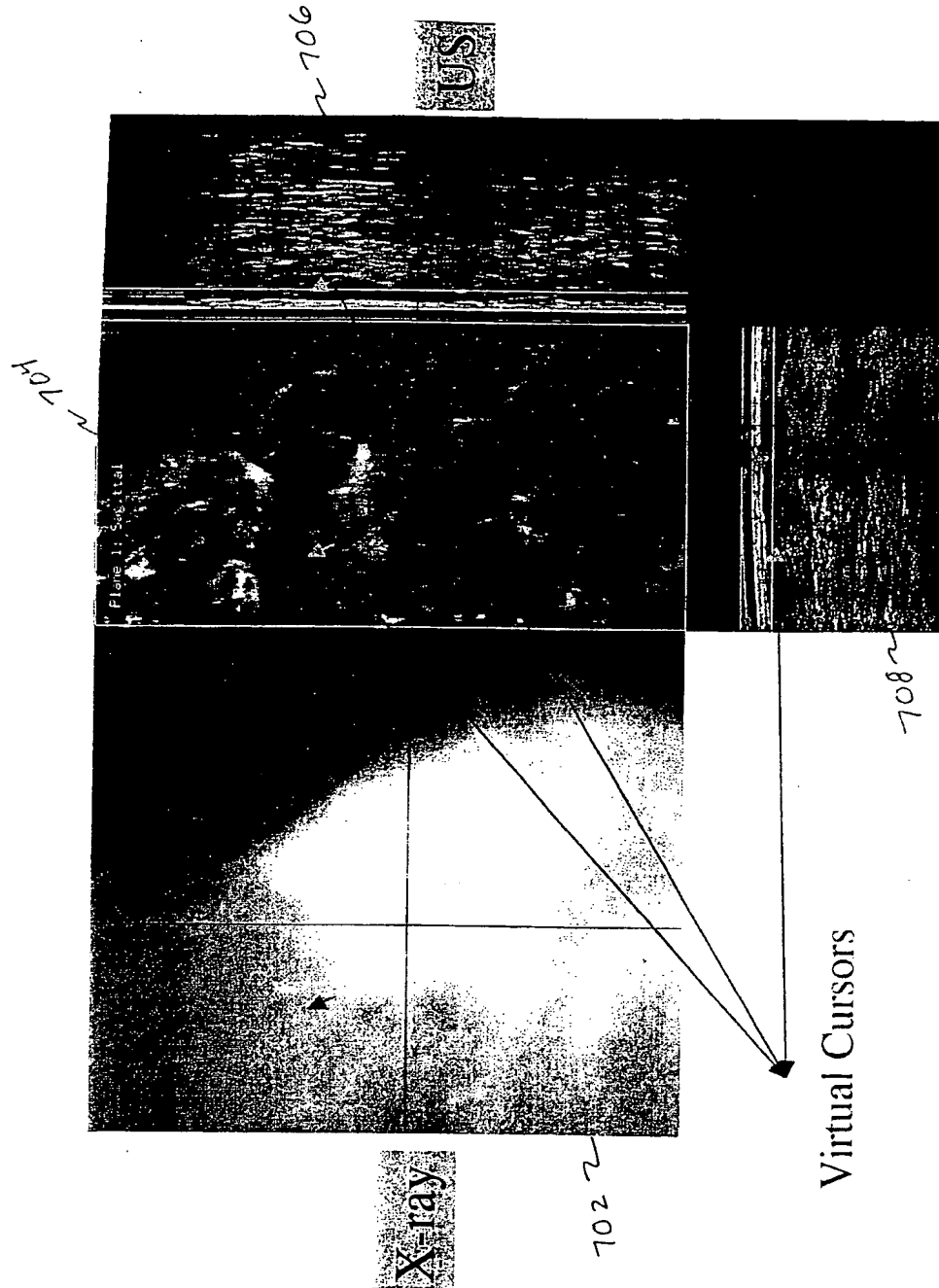


FIG. 7